



TECHNOLOGY DRIVEN. WARFIGHTER FOCUSED.

Welcome Mr. Steve Quinn, Chief-Land Operations Division, Australia DOD

To Ground Vehicle Power and Mobility 12 May 2011

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Report Documentation Page

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GVPM Overview 12 May 2011 Mr. Mike Blain, Deputy Associate Director Ground Vehicle Power & Mobility (GVPM)

UNCLASSIFIED: Dist A. Approved for Public Release



Ground Vehicle Power & Mobility (GVPM) Mission & Vision



Robotics – Intelligent

Systems

Survivability

Vehicle

Electronics &

Architecture

Ground

Systems

Fuel. Water.

Bridging,

lubricants, mine roller

Vision: GVPM will be the DoD's first choice for ground systems power and mobility solutions

Mission: Research, develop and deliver ground systems power and mobility technology solutions to the current and future force

Electrification

Transmissions

Batteries



Organized to Deliver the Right Technologies for Ground Vehicle Challenges

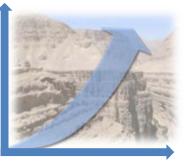


Power Demand Primary





Requirements Vehicle Agility



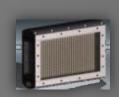
Electrical Power



Increasing demands, operational flexibility, and inter-relationships Requires a Systems Engineering approach and investments in key technology areas







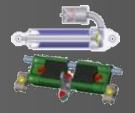
Thermal Management



Non-Prime Power



Energy Storage



Track & Suspension



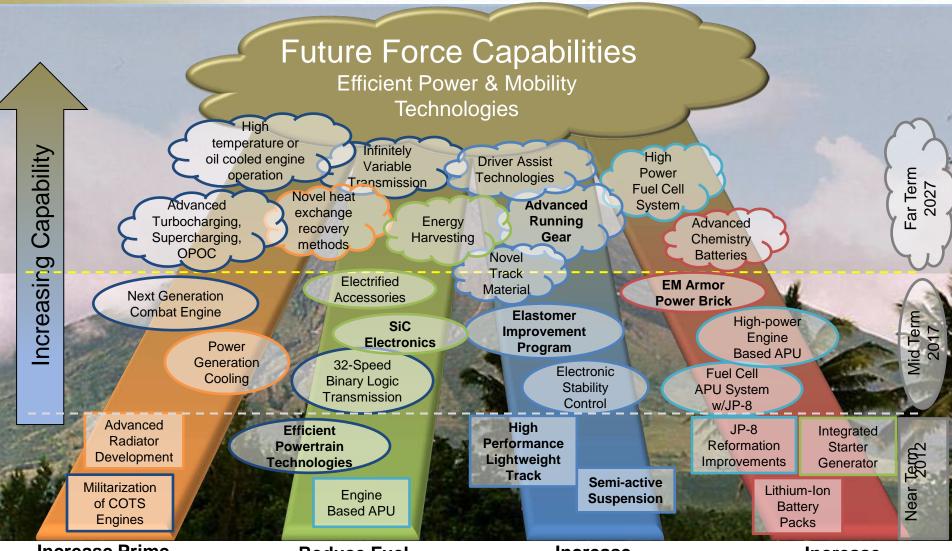
Advanced Propulsion

Systems Level Analysis, Integration and Testing



Capability Based Technology Strategy





Increase Prime Power

Reduce Fuel Consumption

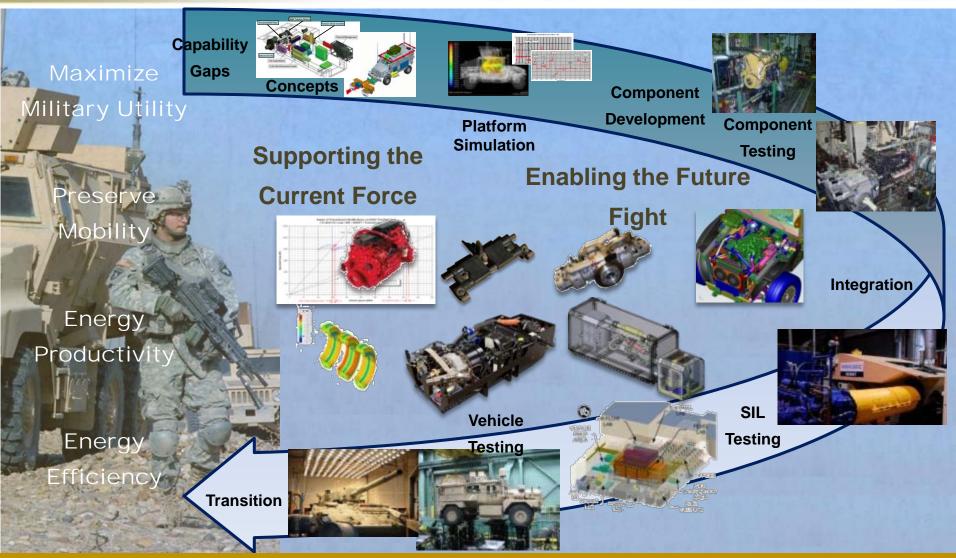
Increase **Vehicle Agility**

Increase **Electrical Power** TECHNOLOGY DRIVEN. WARFIGHTER FOCUSED.



Laboratory Support Throughout the Ground Platform Lifecycle







It's all about...Supporting the Warfighter



